Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/09/2020 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126764	1	3.46	126930	3.50
Blue	F	SSC	125000	124815	-1	2.18	125555	2.21
Blue	E	FITC	15892	15492	-3	3.06	337	21.45
Blue	D	PE	29999	29354	-3	2.24	641	15.59
Blue	B	PerCP-Cy5-5	43732	43605	-1	3.97	1173	21.39
Blue	A	PE-Cy7	30845	30708	-1	6.50	582	44.55
Red	C	APC	46112	45032	-3	2.56	1589	12.21
Red	A	APC-Cy7	30458	29192	-5	2.45	768	11.93
Violet	B	V450	7918	7602	-4	4.29	433	13.16
Violet	A	V500	32171	31529	-2	4.07	739	10.36

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17338	19.32	654	33	N/A	N/A	Pass
Blue	F	SSC	57410	1.52	582	23	N/A	N/A	Pass
Blue	E	FITC	61	68.96	552	9	0.0177	175	Pass
Blue	D	PE	134	52.05	558	10	0.1424	263	Pass
Blue	B	PerCP-Cy5-5	215	52.39	666	10	0.0082	56	Pass
Blue	A	PE-Cy7	109	109.24	711	13	0.0091	14	Pass
Red	C	APC	382	25.32	588	4	0.0242	153	Pass
Red	A	APC-Cy7	170	29.03	558	2	0.0057	1138	Pass
Violet	B	V450	66	60.65	463	5	0.0538	2405	Pass
Violet	A	V500	110	35.36	479	5	0.0252	1214	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.37	-32.03	1.01
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.02	13.60 - 20.40	N/A	N/A	29.49	29.78	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9652

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments